Aerodrome Safety Incident Investigation

DATES
27.10 - 29.10.2020 Virtual English
In-house English

Despite the aviation industry’s best intentions and significant efforts, safety incidents may occur. When they do, a modern safety management approach demands that we learn from the occurrence to prevent a repeat event in the future. Aviation safety regulations require airport operators to look at the bigger picture and identify latent as well as active factors.

Extracting information from the incident environment and analysing it requires a wide range of skills and knowledge to arrive at a coherent set of conclusions and a workable list of recommendations.

During this 4-day course (virtual classroom 3 days with reduced daily training hours) you will gain the knowledge and skills required to conduct safety incident investigations in the aerodrome environment, and therefore support the ongoing operation and development of your aerodrome’s safety management system. The course will build a foundation in incident investigation by covering the regulatory environment, essential safety management principles, and incident investigation management. Upon this, the course will delve into data and information gathering techniques, preliminary and in-depth analysis tools, developing recommendations and report writing considerations.

Attendees will be encouraged to participate in and contribute to group discussions and team exercises using their personal experiences and knowledge.
Course Content

Regulatory Framework

● Related ICAO & EASA Safety Management System requirements
● Relevant guidance material

Safety Management Principles

● Organisational accidents (Reason Model)
● Safety culture (including just culture)
● Human factors (including human error)
● Operational drift

Incident Investigation Management

● Communication with stakeholders
● Authority – rights and obligations
● Tools & equipment
● Data management (including confidentiality)

Data Gathering

● On-scene physical evidence
● Interviewing parties involved
● Interviewing associated parties
● Reviewing records
● Technical data

Data Analysis

● Building a timeline
● Human-factors analysis
● Organisational analysis
● Categorisation and reporting

Recommendations

● Development
● Evaluation

Reporting

● Reporting writing considerations
● Feeding data into the broader system